

Amendments to the Specification:

Please replace paragraphs [0008] and [0009] with the following amended paragraphs:

[0008] To illustrate, one tool for producing software modeling language SDL code is TELELOGIC TAU ~~Telelogic-Tau~~. That tool allows for software programmers to produce a model of the software and the tool produces code from the model. ~~Telelogic-Tau~~ TELELOGIC TAU has two potential code generators, ~~C-advanced~~ C ADVANCED and C MICRO ~~C-micro~~. ~~C-advanced~~ C ADVANCED allows a software designer to use all the features of SDL. ~~C-micro~~ C MICRO limits the available features with the advantage of producing a smaller code footprint.

[0009] ~~Telelogic-Tau~~ TELELOGIC TAU supports both light and tight integration. In light integration, the entire SDL system executes in a single thread. In tight integration, each SDL process becomes a thread. To minimize the code footprint, ~~C-micro~~ C MICRO is desirable to be used. However, ~~C-micro~~ C MICRO only supports light integration and, accordingly, multiple threads of execution are not supported. Accordingly, it is desirable to have code with a reduced footprint that supports multiple threads of execution.

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Please replace paragraph [0016] with the following amended paragraph:

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[0016] Figure 5 is an illustration of the structure of SDL ~~C-micro~~ C MICRO generated data types.

Please replace paragraph [0036] with the following amended paragraph:

[0036] In the preferred embodiment, an SDL porting layer 110 is used. The preferred SDL porting layer allows for software modeled using a single threaded